

**ABSTRACT**

An electrical pressure washer includes a diagnostic circuit for detecting operation conditions that may affect the normal operation of the pressure washer, and a plurality of indicators indicating the detected operation conditions, such as ground fault, low pressure, overheating, etc. A voltage drop across the power cord of the pressure washer is monitored and used to identify several of the operating conditions. A way of connecting and controlling light-emitting diodes used as indicator lights is provided to allow energy-efficient operation of the indicator lights.